

# START

0016683

## MEETING MINUTES

Subject: Expedited Response Action Weekly Interface

TO: Distribution

BUILDING: 450 Hills

FROM: W. L. Johnson

CHAIRMAN: W. L. Johnson



Dept-Operation-Component	Area	Shift	Meeting Date	Number Attending
Environmental Engineering	3000	Day	September 30, 1991	7

### Distribution:

M. R. Adams	H4-55
M. V. Berriochoa	B3-30
L. C. Brown	H4-51
P. T. Day	B5-01
H. D. Downey*	L4-92
D. R. Einan*	B5-01
J. K. Erickson	A5-19
L. Goldstein	fax
W. F. Heine	B2-35

R. E. Lerch	B2-35
P. S. Innis*	B5-01
D. Nylander*	fax
D. R. Sherwood*	B5-01
R. K. Stewart*	A5-19
T. M. Wintczak	L4-92
EDMC	H4-22
EERAS Route	
WLJ File/LB	



### \*Attendees

The weekly interface meeting on the Expedited Response Actions (ERAs) was held to status the ERAs for the U.S. Department of Energy Field Office, Richland and the regulators. The meeting was conducted in accordance with the attached agenda. Actions were formally reviewed and the attached action item list was updated.

All three projects were discussed, and their status is summarized in the attached weekly report.

Results of radionuclide analyses from the 618-9 Burial Ground were discussed and are attached.

EPA was very concerned over getting DOE-HQ approval to ship the GAC canisters off-site for regeneration. EPA considers this issue the key point that must be resolved before the ERA proposal can go out for public review.

### Attachments:

1. Agenda
2. Action Item List
3. Weekly Report
4. Decisions, Agreements & Commitments
5. Results of Radionuclide Analyses from the 618-9 Burial Ground

## WEEKLY ERA INTERFACE AGENDA

SUBJECT: STATUS OF THE EXPEDITED RESPONSE ACTIONS

DATE: September 30, 1991

- GENERAL ISSUES
  - Action Item Review
- INDIVIDUAL PROJECT STATUS
  - 618-9 Burial Ground
    - o Waste dispositioning activities.
    - o Soil Radiological Data.
    - o ERA Proposal Comment Dispositions.
  - 316-5 Process Trenches
    - o Field Status.
  - 200-W Carbon Tetrachloride
    - o ERA Proposal Status.
    - o Off-Site Waste Shipment Letter to DOE-HQ.
    - o SST potential impact.
    - o Phase II site evaluation work plan and CPT test.
    - o System upgrades and site preparation activities.
    - o Update fact sheet.
- OTHER ISSUES
  - N-Springs Briefing
  - Duffy visit.
- SUMMARY OF ACTION ITEMS
- SIGN-OFF ON ANY DECISIONS, AGREEMENTS, OR COMMITMENTS

## EXPEDITED RESPONSE ACTION INTERFACE MEETING

-ACTION ITEMS-  
September 30, 1991

### ORGANIZATION

### ACTION ITEM

WHC

WHC will issue a press release on the 618-9 Burial Ground ERA after the decision is made on how the waste will be dispositioned. (open)

RL

RL will check on the status of the request to produce short video tapes on the ERAs. (open)

WHC

WHC will provide a presentation to the regulators on the N-Spring modeling effort and on other activities conducted by Defense Operations dealing with the N-Springs. (open)

RL

RL will provide a letter to EPA stating that the field office has no objections to the shipment of carbon canisters off-site for regeneration. (open)

WHC

WHC will make every effort to ensure the EPA proposal for the Carbon Tetrachloride Plume is ready for public review by October 16, 1991. (open)

EPA/Ecology

The regulators will transmit a letter to RL agreeing to the conduct of the CPT test by September 20, 1991. (closed) *The letter was provided on September 24, 1991.*

Weekly Report, Week Ending September 27, 1991  
EXPEDITED RESPONSE ACTIONS  
Technical and Management Contact - Wayne L. Johnson, 376-1721  
Environmental Division

**618-9 BURIAL GROUND EXPEDITED RESPONSE ACTION** - Comments were received from the U.S. Environmental Protection Agency (EPA) and the State of Washington Department of Ecology (Ecology) on the Engineering Evaluation of the 618-9 Burial Ground Expedited Response Action. The majority of the comments related to the assumptions used in the preparation of the risk assessment. Comments were also received from the U.S. Department of Energy Field Office, Richland the majority pertained to clarification of details. Work is ongoing to disposition these comments and revise the document.

**316-5 PROCESS TRENCH EXPEDITED RESPONSE ACTION** - Project performance has remained ahead of schedule with reinstallation of the bird screens in the west trench. Pre-planning for equipment decontamination was completed with the first truck decontamination on September 26, 1991. The cover over the consolidated waste piles is near completion.

Sampling was conducted in the west trench using the excavator and the ERA crew. Samples were taken down to a depth of approximately four feet below the water table. This sampling replaced vadose zone drilling originally planned for the 300-FF-1 Remedial Investigation. A price initiative showing a hard dollar savings of \$88,000 is in preparation. Additional savings (up to \$3M) and schedule recovery (up to 12 months) could be realized if this approach could be utilized for other shallow 300-FF-1 boreholes.

**200 WEST CARBON TETRACHLORIDE EXPEDITED RESPONSE ACTION -**

Applied Research Associates, Inc. arrived at the Hanford Site on September 23, 1991. They are working at several sites around the 200 West Area, testing the feasibility of using cone penetrometers at Hanford.

Sampling at RCRA wells near U Tank Farm, is being conducted in support of the ERA. The samples are being analyzed for carbon tetrachloride by PNL in their mobile lab.

The ERA proposal will be re-submitted to RL and the regulators on September 30, 1991.

A moratorium exists for shipping waste derived from radiologically controlled areas (i.e. the carbon tetrachloride disposal sites) offsite. M. R. Romsos (WHC) has been in contact with T. M. Hennig (RL) concerning this issue as it relates to shipment of GAC canisters offsite. There is a meeting next week in Denver between RL and their contractors concerning offsite shipments. Mr. Romsos will be attending this meeting. It appears DOE-HQ won't make a decision until next week at the earliest defining their offsite shipment requirements. EPA/Ecology will not sign off on the ERA proposal and allow it to be sent to the public until this issue is resolved.

EXPEDITED RESPONSE ACTION INTERFACE MEETING

-DECISIONS, AGREEMENTS, & COMMITMENTS-  
September 30, 1991

DECISIONS:

AGREEMENTS:

*Nothing of Significance*

COMMITMENTS:

\_\_\_\_\_  
DOE Representative

\_\_\_\_\_  
EPA Representative

\_\_\_\_\_  
ECOLOGY Representative

*WY Johnson* 9/30/91  
\_\_\_\_\_  
WHC Representative

## RESULTS OF RADIONUCLIDE ANALYSES FROM THE 618-9 BURIAL GROUND

Table 1 presents the results of radiological analyses of the soil in the 618-9 Burial Ground. These results were delayed at the laboratory. Figure 1 indicates the locations from which these samples were taken. The results are consistent between samples. If the uranium had arrived in the trench via leakage from drums, the data would indicate peaks of contamination. While there is currently no site-specific background data to compare this data with, NCRP Report No. 94, "Exposure of the Population in the United States and Canada from Natural Background Radiation" and "Determination of Concentrations of Selected Radionuclides in Surface Soil in the U.S." (T.E. Myrick, et.al., 1981) indicate that the concentrations of radionuclides within the trench are consistent with national background radionuclide values. Data from the 300-FF-5 background boreholes should be available in the near future if national comparisons are not sufficient.

### REFERENCES

1. Myrick, et.al., 1983, "Determination of Concentrations of Selected Radionuclides in Surface Soil in the U.S.", T.E. Myrick, B.A. Berven, F.F. Haywood, Health Physics, Vol. 45, No. 3, pp. 631-642, 1983.
2. NCRP, 1987. "Exposure of the Population in the United States and Canada from Natural Background Radiation" Report No. 94, National Council on Radiation Protection and Measurements, Bethesda, MD., 1987.

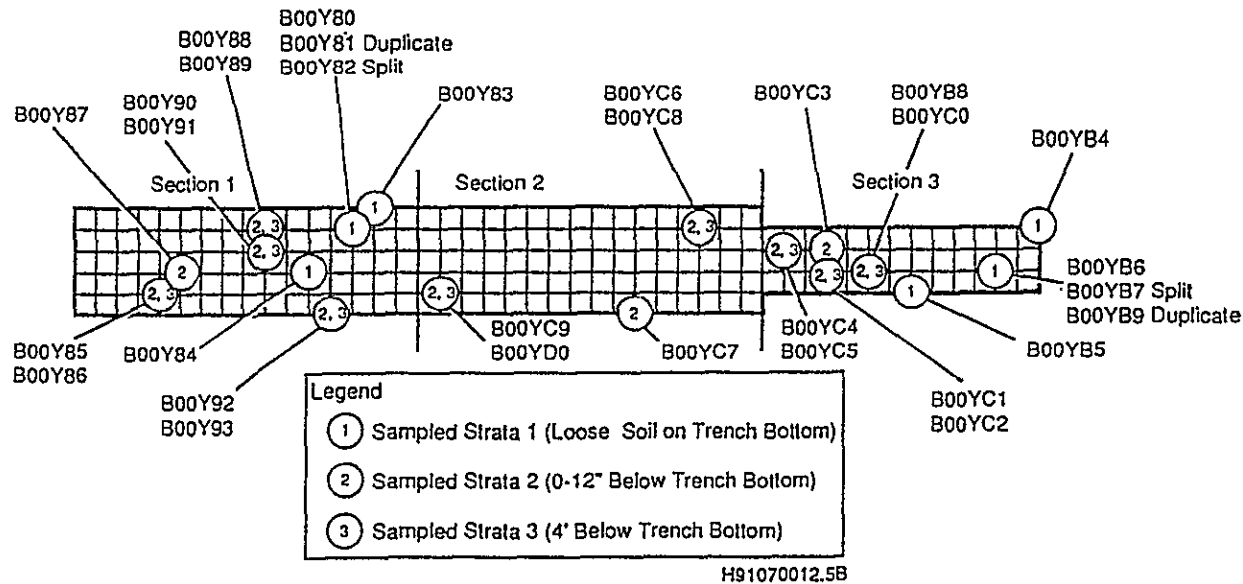


FIGURE 1. SOIL SAMPLING LOCATIONS

## Radiological Analysis Results from the 618-9 Burial Ground 9/23/91

SAMPLE ID #	K-40 (pCi/g)	RA-226 (pCi/g)	TH-228 (pCi/g)	TOTAL URANIUM (pCi/g)	Reported if Total U > than detection		
					U-234 (pCi/g)	U-235 (pCi/g)	U-238 (pCi/g)
B00Y80	15.30 +/- 1.5	1.16 +/- .54	.503 +/- .050	2.12 +/- .97	.0014 +/- .0002	< .004	.15 +/- .02
B00Y81	16.30 +/- 1.6	.964 +/- .516	.606 +/- .061	< .7			
B00Y83	13.9 +/- 1.4	.921 +/- .534	.594 +/- .059	< .8			
B00Y84	15.7 +/- 1.6	< .8	.587 +/- .059	< .8			
B00Y85	15.10 +/- 1.5	1.57 +/- .73	.541 +/- .054	< .8			
B00Y86	9.85 +/- .99	< .8	.532 +/- .054	< .9			
B00Y87	10.8 +/- 1.1	< 1	.495 +/- .059	< 2	.12 +/- .02	< .003	.13 +/- .02
B00Y88	10.90 +/- 1.1	< .9	.543 +/- .059	< .5			
B00Y89	9.66 +/- .97	1.02 +/- .53	.527 +/- .053	< .5			
B00Y90	10.50 +/- 1.1	< .7	.584 +/- .05	< .6			
B00Y91	9.57 +/- .96	< .7	.422 +/- .045	< .9			
B00Y92	13.3 +/- 1.3	.9 +/- .517	.646 +/- .065	1.96 +/- 1.0	.0093 +/- .019	< .003	.12 +/- .02
B00Y93	10.50 +/- 1.1	< .7	.564 +/- .074	< .7			
B00Y97	16.6 +/- 1.7	< .9	.641 +/- .064	< .7			
B00Y98	15.2 +/- 1.5	< .7	.667 +/- .067	< .8			
B00Y99	13.7 +/- 1.4	1.25 +/- .74	.605 +/- .061	< .7			
B00YB3	15.4 +/- 1.5	< .9	.536 +/- .054	< .9			
B00YB3	9.83 +/- .98	< .6	.480 +/- .048	1.87 +/- .84	.33 +/- .02	.015 +/- .005	.33 +/- .02
B00YB4	12.4 +/- 1.2	< .8	.637 +/- .064	< .9			
B00YB5	12.7 +/- 1.3	1.12 +/- .64	.622 +/- .062	2.37 +/- 1.24	.27 +/- .02	.0059 +/- .0034	.27 +/- .02
B00YB6	12.9 +/- 1.3	< 1	.619 +/- .062	< 1			
B00YB8	13.2 +/- 1.3	< .9	.809 +/- .096	2.73 +/- 1.56	.31 +/- .04	.011 +/- .007	.15 +/- .02
B00YB9	15.1 +/- 1.5	< .7	.609 +/- .069	< .6			
B00YC0	12.7 +/- 1.3	< .8	.798 +/- .080	< .8			
B00YC1	9.42 +/- .94	1.00 +/- .54	.518 +/- .052	3.08 +/- 1.06	2.1 +/- .2	.059 +/- .02	2.1 +/- .2
B00YC2	10.50 +/- 1.0	2.36 +/- .61	.541 +/- .054	3.18 +/- 1.1	3.0 +/- .1	.071 +/- .01	3.0 +/- .1
B00YC4	10.0 +/- 1.0	< .7	.513 +/- .051	< .9			
B00YC5	9.59 +/- .96	< .7	.445 +/- .046	2.45 +/- 1.13	.48 +/- .03	.0039 +/- .0041	.48 +/- .03
B00YC7	13.0 +/- 1.3	1.16 +/- .57	.677 +/- .068	< .7			
B00YC8	9.16 +/- .96	< .8	.563 +/- .056	< .9			
B00YC9	10.90 +/- 1.1	.860 +/- .487	.504 +/- .050	< .5			
B00YD0	10.3 +/- 1.0	1.13 +/- .56	.803 +/- .080	< .6			
BOOYC6	9.2 +/- .92	1.12 +/- .63	.539 +/- .054	1.80 +/- 1.03	.11 +/- .02	.0046 +/- .0039	.13 +/- .02
DUP YB9	14.2 +/- 1.4	.778 +/- .428	.697 +/- .070	1.58 +/- .88	.15 +/- .02	.002 +/- .002	.14 +/- .02

Shaded area indicates samples taken from the excavated soil piles

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